







ercomer Y. H July 1, 2004 45803 . 12-31-06

get to the Caltrans web site, go to: http://www.dot.ca.go

NOTES

Holes will be permitted in the outer 13 millimeters of the web for wire, rings, etc. Tie web to #10 reinforcing bars @ 400 millimeters maximum intervals to support the waterstop in proper position during concrete placement. Alternative detail may be submitted for approval of the Engineer.

Waterstop to have 5 or more pairs of of raised ribs to provide 65 square millimeters minimum rib cross-section area on each half of the waterstop.

19 mm Chamfer

13 mm Premolded expansion joint filler unless other thickness and/or material is shown elsewhere. * For placement in bridge decks see Joint Seal Details. For wall 60 mm Min -3 mm Min thickness thickness less than 300 mm, use 1/2 13 mm Min the wall thickness. Seal between filler and waterstop 있 I3 mm±-\$ ********* Waterstop i.6 mm 19 mm Chamfer └3 mm Min Bonding strip -Front face of wall BRIDGE DETAIL 3-6

BRIDGE DETAIL 3-5 200 mm PSP AND PERMEABLE MATERIAL

Grading plane

200 mm PSP (1.63 mm thickness) and

permeable material continuous

behind abutment

BRIDGE DETAIL 3-4

WALL EXPANSION JOINT

Finished grade See Note D -150 mm Min See Note B See Note C **NOTES ELEVATION** SECTION BRIDGE DETAIL 3-1

WEEP HOLE AND PERVIOUS BACKFILL

Top of wall 29 200 mm Max_ Bridge Detail 3-4 Bridge Detail 3-I - Bridge Detail 3-2 Bridge Detail 3-4 300 mm Min - 7300 └─Top of footing

> BRIDGE DETAIL 3-3 WALL EXPANSION JOINTS AND WEAKENED PLANES

Joint may be formed with Cut or butt every other front face 3 mm hardboard and cut back to the root of the chamfer horizontal baron the exposed face.

- See Detail A

WATERSTOP

SECTION DETAIL A

> BRIDGE DETAIL 3-2 WEAKENED PLANES

- A. 100 millimeter Ø Drains @ 7600 millimeters maximum center to center (2750 millimeters center to center for Type 3 and 2800 millimeters center to center for Type 4 retaining walls). For walls adjacent to sidewalks or curbs, provide 100 millimeters plastic pipe under the sidewalk to discharge thru curb face. Exposed wall drains shall be located 75 millimeters ± above finished grade.
- B. 150 millimeters square aluminum or galvanized steel wire 6 millimeters mesh hardware cloth (minimum wire diameter 0.64 millimeters). Anchor firmly to backface.
- C. 0.03 cubic meter pervious backfill material in a nonwoven filter fabric, securely tied.
- D. Pervious backfill material continuous behind retaining wall or abutment.

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

BRIDGE DETAILS

NO SCALE

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

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